

Evaluation Table

PEP ID:	XXXXX
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

1008 Prismatic Reflectors
 1008 Delineator and Object Marker Retroreflectors
 ADOT Standard Specification: 1008
 ADOT Standard Drawing: M-32, M-33
 Responsible Section: Traffic Group

Material Property	Specification/ Test Method	Requirement	Result	Pass/ Fail
General	1008-1(A)	The retroreflectors shall consist of a plastic face (herein referred to as the lens) and an opaque back fused to the lens (under heat and pressure) around the entire perimeter to form a homogeneous unit permanently sealed against dust, water, and water vapor. (cert)		
General	1008-1(A)	The lens shall consist of a smooth front surface free from projections or indentations other than for identification and a rear surface bearing a prismatic configuration such that it will affect total internal reflection of light. (cert)		
General	1008-1(A)	The manufacturer's trademark shall be molded legibly into the face of the lens. (cert)		
Color: General	1008-2	The retroreflectors shall be either white, yellow, green, or red as specified and shall be ready for mounting.		
Color: Bridge and Barrier Marker	M-32	BM-1 Single Face White BM-2 Single Face Yellow BM-1 Single Face Yellow		
Lens	1008-2	The lens shall have a retroreflective area of not less than 6.5 square inches. Retroreflection shall be provided by the lens prismatic optical elements.		

Material Property	Specification/ Test Method	Requirement	Result	Pass/ Fail
Adhesive: Concrete Barrier Marker	M-32	Concrete Barrier Marker shall be installed using manufacturer approved adhesive applied with a caulking gun.		
Dimensions: Bridge and Barrier Marker	M-32	Report Only, All dimensions are approximate		
General	1008-1(B)	The specific intensity of each acrylic retroreflector shall be equal to or exceed the minimum values in Table 1008-1 with measurements made with retroreflectors spinning. (see below)		
Specific Intensity, Observation angle: 0.1 Entrance Angle: 0 (candelas per footcandle per square inch)	1008 Table 1008-1	White: 17.7		
		Yellow: 6.5		
		Green: 4.6		
		Red: 4.6		
Specific Intensity, Observation angle: 0.1 Entrance Angle: 20 (candelas per footcandle per square inch)	1008 Table 1008-1	White: 6.9		
		Yellow: 3.8		
		Green: 1.8		
		Red: 1.8		